Improvements to roads and drains at AMS layout and Judicial Layout in ward no-03 and 04 of Yelahanka Satellite Town Sub Division (Package -2)

EMB

"SECOND AND FINAL BILL"

ame of Work: Construction of RCC Drain and culverts in balance roads of AMS layout and surrounding areas in ward no-03 of Yelahanka New Town Sub Division

ate of Pre-Measurement :

em No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Detailed Measurements							
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.							
	2nd Bill							
	RCC Drain							
	AMS Layout							
	RCC Drain							
	2nd Main rd							
	LHS							
	Ch:0 to 16.3m		1	16.30	1.10	1.10	19.72	
	Rd Gap							
	Ch:16.3 to 45.7m		1	29.4	1.10	1.10	35.57	
	Rd Gap							
	Ch:45.7 to 61.4m		1	15.70	1.10	1.10	19.00	
	Ch:61.4 to 73.7m		1	12.30	1.10	1.10	14.88	
	Rd Gap							
	Ch:73.7 to 99.6m		1	25.90	1.10	1.10	31.34	
	Rd Gap							
	Ch:99.6 to 100.8m		1	1.2	1.10	1.10	1.45	
	Ch:100.8 to 129.6m		1	28.80	1.10	1.10	34.85	
	Ch:129.6 to 135.4m		1	5.80	1.10	1.10	7.02	
	Ch:135.4 to 139.6m		1	4.20	1.10	1.10	5.08	
	Rd Gap							
	Ch:139.6 to 145.6m		1	6.00	1.10	1.10	7.26	
	Ch:145.6 to 165.1m		1	19.50	1.10	1.10	23.60	
	Ch:165.1 to 166.6m		1	1.50	1.10	1.10	1.82	
	Rd Gap							
	Ch:166.6 to 196.6m		1	30.00	1.10	1.10	36.30	
	Ch:196.6 to 205.6m		1	8.60	1.10	1.10	10.41	
	Rd Gap							
	Ch:205.6 to 235.6m		1	30.00	1.10	1.10	36.30	
	Ch:235.6 to 265.6m		1	30.00	1.10	1.10	36.30	
	Ch:265.6 to 287.7m		1	22.10	1.10	1.10	26.74	
	RHS(dead end)							
	Ch: 0 to 23.6m		1	23.60	1.10	1.10	28.56	
	Ch:23.6 to 39.6m		1	16.00	1.10	1.10	19.36	
	Rd Gap							
	Ch:39.6 to 69.6m		1	30.00	1.10	1.10	36.30	
	Ch:69.6 to 72.1m		1	2.50	1.10	1.10	3.03	
	Rd Gap							
	Ch:72.1 to 102.1m		1	30.00	1.10	1.10	36.30	
	Ch:102.1 to 132.1m		1	30.00	1.10	1.10	36.30	
	Ch:132.1 to 162.1m		1	30.00	1.10	1.10	36.30	
	Ch:162.1 to 190.4m		1	28.30	1.10	1.10	34.24	

= Planned %

Painting two coats after fixing the

EOFC

Discription of Item		No	Length	Breadth	Depth	Qty	Unit
Rd Gap							
Ch:190.4 to 219m		1	28.60	1.10	1.10	34.61	
Rd Gap							
Ch:219 to 245m		1	26.00	1.10	1.10	31.46	
Rd Gap							
Ch:245.4 to 275m		1	30.00	1.10	1.10	36.30	
Ch:275 to 276m		1	1.00	1.10	1.10	1.21	
Rd Gap							
Ch:276 to 291.9m		1	15.90	1.10	1.10	19.24	
4th Main rd							
LHS							
Ch: 0 to 30m		1	30.00	1.10	1.10	36.30	
Ch:30 to 60m		1	30.00	1.10	1.10	36.30	
Ch:60 to 90m		1	30.00	1.10	1.10	36.30	
Ch:90 to 109.5m		1	19.50	1.10	1.10	23.60	
Ch:109.5 to 119m **Gap**		1	9.50				
Ch:119 to 149m		1	30.00	1.10	1.10	36.30	
Ch:149 to 157.4m		1	8.40	1.10	1.10	10.16	
RHS							
Ch: 0 to 30m		1	30.00	1.10	1.10	36.30	
Ch:30 to 60m		1	30.00	1.10	1.10	36.30	
Ch:60 to 90m		1	30.00	1.10	1.10	36.30	
Ch:90 to 120m		1	30.00	1.10	1.10	36.30	
Ch:120 to 150m		1	30.00	1.10	1.10	36.30	
Ch:150 to 157.4m		1	7.40	1.10	1.10	8.95	
6th Main rd							
LHS							
Ch: 0 to 30m		1	30.00	1.05	1.00	31.50	
Ch:30 to 60m		1	30.00	1.05	1.00	31.50	
Ch:60 to 81m		1	21.00	1.05	1.00	22.05	
Ch:81 to 111m		1	30.00	1.05	1.00	31.50	
Ch:111 to 141m		1	30.00	1.05	1.00	31.50	
Ch:141 to 143.9m		1	2.90	1.05	1.00	3.05	
RHS							
Ch: 0 to 30m		1	30.00	1.10	1.00	33.00	
Ch:30 to 60m		1	30.00	1.10	1.00	33.00	
Ch:60 to 81m		1	21.00	1.10	1.10	25.41	
Ch:81 to 111m		1	30.00	1.10	1.10	36.30	
Ch:111 to 141m		1	30.00	1.10	1.10	36.30	
Ch:141 to 143.9m		1	2.90	1.10	1.10	3.51	
1st cross rd							
LHS							
Ch: 0 to 30m		1	30.00	1.10	1.10	36.30	
Ch:30 to 60m		1	30.00	1.10	1.10	36.30	
Ch:60 to 90m		1	30.00	1.10	1.10	36.30	
Ch: 90 to 94m		1	4.00	1.10	1.10	4.84	
RHS							
Ch: 0 to 30m		1	30.00	1.10	1.10	36.30	
Ch:30 to 60m		1	30.00	1.10	1.10	36.30	
Ch:60 to 90m		1	30.00	1.10	1.10	36.30	
Ch: 90 to 94m		1	4.00	1.10	1.10	4.84	

Discription of Item		No	Length	Breadth	Depth	Qty	Unit
2nd cross rd							
LHS							
Ch: 0 to 30m		1	30.00	1.10	1.00	33.00	
Ch:30 to 60m		1	30.00	1.10	1.00	33.00	
Ch:60 to 65m		1	5.00	1.10	1.00	5.50	
RHS							
Ch: 0 to 30m		1	30.00	1.10	1.10	36.30	
Ch:30 to 60m		1	30.00	1.10	1.10	36.30	
Ch:60 to 90m		1	30.00	1.10	1.10	36.30	
Ch: 90 to 120m		1	30.00	1.10	1.10	36.30	
Ch: 120 to 123m		1	3.00	1.10	1.10	3.63	
					Present Qty	**1836.67**	**Cum**
					Qty Paid in 1st Bill	**1257.44**	**Cum**
					Total Qty	**3094.11**	**Cum**
					Deduct Qty Paid in1st Bill	**1257.44**	**Cum**
					Qty to be Paid	**1836.67**	**Cum**

Contractor

PMC

Assistant Engineer

15/6/2020

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
Asst. Executive Engineer,
ಬಿ.ಡಿ.ಎ.ಪ್ರ. ಬೆಂಗಳೂರು-106

e of Work: Construction of RCC Drain and culverts in balance roads of AMS layout and surrounding areas in ward no-03 of Yelahanka New Town Sub Division

)f Pre-Measurement :

Detailed Measurements

Discription of Item		No	Length	Breadth	Depth	Qty	Unit
KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.							
2nd Bill							
RCC Drain							
AMS Layout							
2nd Main rd							
LHS							
Ch:0 to 16.3m		1	16.30	1.10	0.15	2.69	
Rd Gap							
Ch:16.3 to 45.7m		1	29.4	1.10	0.15	4.85	
Rd Gap							
Ch:45.7 to 61.4m		1	15.70	1.10	0.15	2.59	
Ch:61.4 to 73.7m		1	12.30	1.10	0.15	2.03	
Rd Gap							
Ch:73.7 to 99.6m		1	25.90	1.10	0.15	4.27	
Rd Gap							
Ch:99.6 to 100.8m		1	1.2	1.10	0.15	0.20	
Ch:100.8 to 129.6m		1	28.80	1.10	0.15	4.75	
Ch:129.6 to 135.4m		1	5.80	1.10	0.15	0.96	
Ch:135.4 to 139.6m		1	4.20	1.10	0.15	0.69	
Rd Gap							
Ch:139.6 to 145.6m		1	6.00	1.10	0.15	0.99	
Ch:145.6 to 165.1m		1	19.50	1.10	0.15	3.22	
Ch:165.1 to 166.6m		1	1.50	1.10	0.15	0.25	
Rd Gap							
Ch:166.6 to 196.6m		1	30.00	1.10	0.15	4.95	
Ch:196.6 to 205.6m		1	9.00	1.10	0.15	1.49	
Rd Gap							
Ch:205.6 to 235.6m		1	30.00	1.10	0.15	4.95	
Ch:235.6 to 265.6m		1	30.00	1.10	0.15	4.95	
Ch:265.6 to 287.7m		1	22.10	1.10	0.15	3.65	
RHS(dead end)							
Ch: 0 to 23.6m		1	23.60	1.10	0.15	3.89	
Ch:23.6 to 39.6m		1	16.00	1.10	0.15	2.64	
td Gap							
h:39.6 to 69.6m		1	30.00	1.10	0.15	4.95	
h:69.6 to 72.1m		1	2.50	1.10	0.15	0.41	
d Gap							
h:72.1 to 102.1m		1	30.00	1.10	0.15	4.95	
h:102.1 to 132.1m		1	30.00	1.10	0.15	4.95	
h:132.1 to 162.1m		1	30.00	1.10	0.15	4.95	
h:162.1 to 190.4m		1	28.30	1.10	0.15	4.67	

Discription of Item		No	Length	Breadth	Depth	Qty	Unit
Rd Gap							
Ch:190.4 to 219m		1	28.60	1.10	0.15	4.72	
Rd Gap							
Ch:219 to 245m		1	26.00	1.10	0.15	4.29	
Rd Gap							
Ch:245.4 to 275m		1	30.00	1.10	0.15	4.95	
Ch:275 to 276m		1	1.00	1.10	0.15	0.17	
Rd Gap							
Ch:276 to 291.9m		1	15.90	1.10	0.15	2.62	
4th Main rd							
LHS							
Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
Ch:30 to 60m		1	30.00	1.10	0.15	4.95	
Ch:60 to 90m		1	30.00	1.10	0.15	4.95	
Ch:90 to 109.5m		1	19.50	1.10	0.15	3.22	
Ch:109.5 to 119m **Gap**		1	9.50				
Ch:119 to 149m		1	30.00	1.10	0.15	4.95	
Ch:149 to 157.4m		1	8.40	1.10	0.15	1.39	
RHS							
Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
Ch:30 to 60m		1	30.00	1.10	0.15	4.95	
Ch:60 to 90m		1	30.00	1.10	0.15	4.95	
Ch:90 to 120m		1	30.00	1.10	0.15	4.95	
Ch:120 to 150m		1	30.00	1.10	0.15	4.95	
Ch:150 to 157.4m		1	7.40	1.10	0.15	1.22	
6th Main rd							
LHS							
Ch: 0 to 30m		1	30.00	1.00	0.15	4.50	
Ch:30 to 60m		1	30.00	1.00	0.15	4.50	
Ch:60 to 81m		1	21.00	1.00	0.15	3.15	
Ch:81 to 111m		1	30.00	1.00	0.15	4.50	
Ch:111 to 141m		1	30.00	1.00	0.15	4.50	
Ch:141 to 143.9m		1	2.90	1.00	0.15	0.44	
RHS							
Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
Ch:30 to 60m		1	30.00	1.10	0.15	4.95	
Ch:60 to 81m		1	21.00	1.10	0.15	3.47	
Ch:81 to 111m		1	30.00	1.10	0.15	4.95	
Ch:111 to 141m		1	30.00	1.10	0.15	4.95	
Ch:141 to 143.9m		1	2.90	1.10	0.15	0.48	
st cross rd							
LHS							
Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
Ch:30 to 60m		1	30.00	1.10	0.15	4.95	
Ch:60 to 90m		1	30.00	1.10	0.15	4.95	
Ch: 90 to 94m		1	4.00	1.10	0.15	0.66	
RHS							
Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
Ch:30 to 60m		1	30.00	1.10	0.15	4.95	
Ch:60 to 90m		1	30.00	1.10	0.15	4.95	
Ch: 90 to 94m		1	4.00	1.10	0.15	0.66	

Discription of Item		No	Length	Breadth	Depth	Qty	Unit
2nd cross rd							
LHS							
Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
Ch:30 to 60m		1	30.00	1.10	0.15	4.95	
Ch:60 to 65m		1	5.00	1.10	0.15	0.83	
RHS							
Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
Ch:30 to 60m		1	30.00	1.10	0.15	4.95	
Ch:60 to 90m		1	30.00	1.10	0.15	4.95	
Ch: 90 to 120m		1	30.00	1.10	0.15	4.95	
Ch: 120 to 123m		1	3.00	1.10	0.15	0.50	
					Present Qty	**253.38**	**Cum**
					Qty Paid in 1st Bill	**187.57**	**Cum**
					Total Qty	**440.94**	**Cum**
					Deduct Qty Paid in1st Bill	**187.57**	**Cum**
					Qty to be Paid	**253.38**	**Cum**

Contractor

PMC

Assistant Engineer

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ಯುವರಾಜ ಉಪವಿಭಾಗ ಸಂಖ್ಯೆ-3
Asst. Executive Engineer,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

16/7/2020

e of Work: Construction of RCC Drain and culverts in balance roads of AMS layout and surrounding areas in ward no-03 of Yelahanka New Town Sub Division

f Pre-Measurement :

Detailed Measurements

Discription of Item		No	Length	Breadth	Depth	Qty	Unit
Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification.							
2nd Bill							
Raft							
AMS Layout							
2nd Main rd							
LHS							
Ch:0 to 16.3m		1	16.30	1.00	0.15	2.45	
Rd Gap							
Ch:16.3 to 45.7m		1	29.4	1.00	0.15	4.41	
Rd Gap							
Ch:45.7 to 61.4m		1	15.70	1.00	0.15	2.36	
Ch:61.4 to 73.7m		1	12.30	1.00	0.15	1.85	
Rd Gap							
Ch:73.7 to 99.6m		1	25.90	1.00	0.15	3.89	
Rd Gap							
Ch:99.6 to 100.8m		1	1.2	1.00	0.15	0.18	
Ch:100.8 to 129.6m		1	28.80	1.00	0.15	4.32	
Ch:129.6 to 135.4m		1	5.80	1.00	0.15	0.87	
Ch:135.4 to 139.6m		1	4.20	1.00	0.15	0.63	
Rd Gap							
Ch:139.6 to 145.6m		1	6.00	1.00	0.15	0.90	
Ch:145.6 to 165.1m		1	19.50	1.00	0.15	2.93	
Ch:165.1 to 166.6m		1	1.50	1.00	0.15	0.23	
Rd Gap							
Ch:166.6 to 196.6m		1	30.00	1.00	0.15	4.50	
Ch:196.6 to 205.6m		1	9.00	1.00	0.15	1.35	
Rd Gap							
Ch:205.6 to 235.6m		1	30.00	1.00	0.15	4.50	
Ch:235.6 to 265.6m		1	30.00	1.00	0.15	4.50	
Ch:265.6 to 287.7m		1	22.10	1.00	0.15	3.32	
RHS(dead end)							
Ch: 0 to 23.6m		1	23.60	1.00	0.15	3.54	
Ch:23.6 to 39.6m		1	16.00	1.00	0.15	2.40	
Rd Gap							
Ch:39.6 to 69.6m		1	30.00	1.00	0.15	4.50	
Ch:69.6 to 72.1m		1	2.50	1.00	0.15	0.38	
Rd Gap							
Ch:72.1 to 102.1m		1	30.00	1.00	0.15	4.50	
Ch:102.1 to 132.1m		1	30.00	1.00	0.15	4.50	

Discription of Item		No	Length	Breadth	Depth	Qty	Unit
Ch:132.1 to 162.1m		1	30.00	1.00	0.15	4.50	
Ch:162.1 to 190.4m		1	28.30	1.00	0.15	4.25	
Rd Gap							
Ch:190.4 to 219m		1	28.60	1.00	0.15	4.29	
Rd Gap							
Ch:219 to 245m		1	26.00	1.00	0.15	3.90	
Rd Gap							
Ch:245.4 to 275m		1	30.00	1.00	0.15	4.50	
Ch:275 to 276m		1	1.00	1.00	0.15	0.15	
Rd Gap							
Ch:276 to 291.9m		1	15.90	1.00	0.15	2.39	
4th Main rd							
LHS							
Ch: 0 to 30m		1	30.00	1.00	0.15	4.50	
Ch:30 to 60m		1	30.00	1.00	0.15	4.50	
Ch:60 to 90m		1	30.00	1.00	0.15	4.50	
Ch:90 to 109.5m		1	19.50	1.00	0.15	2.93	
Ch:109.5 to 119m **Gap**		1	9.50				
Ch:119 to 149m		1	30.00	1.00	0.15	4.50	
Ch:149 to 157.4m		1	8.40	1.00	0.15	1.26	
RHS							
Ch: 0 to 30m		1	30.00	1.00	0.15	4.50	
Ch:30 to 60m		1	30.00	1.00	0.15	4.50	
Ch:60 to 90m		1	30.00	1.00	0.15	4.50	
Ch:90 to 120m		1	30.00	1.00	0.15	4.50	
Ch:120 to 150m		1	30.00	1.00	0.15	4.50	
Ch:150 to 157.4m		1	7.40	1.00	0.15	1.11	
th Main rd							
LHS							
Ch: 0 to 30m		1	30.00	0.80	0.15	3.60	
Ch:30 to 60m		1	30.00	0.80	0.15	3.60	
Ch:60 to 81m		1	21.00	0.80	0.15	2.52	
Ch:81 to 111m		1	30.00	0.80	0.15	3.60	
Ch:111 to 141m		1	30.00	0.80	0.15	3.60	
Ch:141 to 143.9m		1	2.90	0.80	0.15	0.35	
RHS							
h: 0 to 30m		1	30.00	1.00	0.15	4.50	
h:30 to 60m		1	30.00	1.00	0.15	4.50	
h:60 to 81m		1	21.00	1.00	0.15	3.15	
h:81 to 111m		1	30.00	1.00	0.15	4.50	
h:111 to 141m		1	30.00	1.00	0.15	4.50	
h:141 to 143.9m		1	2.90	1.00	0.15	0.44	
st cross rd							
HS							
h: 0 to 30m		1	30.00	1.00	0.15	4.50	
h:30 to 60m		1	30.00	1.00	0.15	4.50	
h:60 to 90m		1	30.00	1.00	0.15	4.50	
h: 90 to 94m		1	4.00	1.00	0.15	0.60	
HS							
: 0 to 30m		1	30.00	1.00	0.15	4.50	
:30 to 60m		1	30.00	1.00	0.15	4.50	

Discription of Item		No	Length	Breadth	Depth	Qty	Unit
Ch:60 to 90m							
Ch: 90 to 94m		1	30.00	1.00	0.15	4.50	
2nd cross rd		1	4.00	1.00	0.15	0.60	
LHS							
Ch: 0 to 30m							
Ch:30 to 60m		1	30.00	1.00	0.15	4.50	
Ch:60 to 65m		1	30.00	1.00	0.15	4.50	
RHS		1	5.00	1.00	0.15	0.75	
Ch: 0 to 30m							
Ch:30 to 60m		1	30.00	1.00	0.15	4.50	
Ch:60 to 90m		1	30.00	1.00	0.15	4.50	
Ch: 90 to 120m		1	30.00	1.00	0.15	4.50	
Ch: 120 to 123m		1	30.00	1.00	0.15	4.50	
Wall		1	3.00	1.00	0.15	0.45	
AMS Layout							
2nd Main rd							
LHS							
Ch:0 to 16.3m		2	16.30	0.15	0.60	2.93	
Rd Gap							
Ch:16.3 to 45.7m		2	29.4	0.15	0.60	5.29	
Rd Gap							
Ch:45.7 to 61.4m		2	15.70	0.15	0.60	2.83	
Ch:61.4 to 73.7m		2	12.30	0.15	0.60	2.21	
Rd Gap							
Ch:73.7 to 99.6m		2	25.90	0.15	0.60	4.66	
Rd Gap							
Ch:99.6 to 100.8m		2	1.2	0.15	0.65	0.23	
Ch:100.8 to 129.6m		2	28.80	0.15	0.65	5.62	
Ch:129.6 to 135.4m		2	5.80	0.15	0.65	1.13	
Ch:135.4 to 139.6m		2	4.20	0.15	0.65	0.82	
Rd Gap							
Ch:139.6 to 145.6m		2	6.00	0.15	0.60	1.08	
Ch:145.6 to 165.1m		2	19.50	0.15	0.60	3.51	
Ch:165.1 to 166.6m		2	1.50	0.15	0.60	0.27	
Rd Gap							
Ch:166.6 to 196.6m		2	30.00	0.15	0.65	5.85	
Ch:196.6 to 205.6m		2	9.00	0.15	0.65	1.76	
Rd Gap							
Ch:205.6 to 235.6m		2	30.00	0.15	0.60	5.40	
Ch:235.6 to 265.6m		2	30.00	0.15	0.60	5.40	
Ch:265.6 to 287.7m		2	22.10	0.15	0.60	3.98	
RHS(dead end)							
Ch: 0 to 23.6m		2	23.60	0.15	0.65	4.60	
Ch:23.6 to 39.6m		2	16.00	0.15	0.65	3.12	
Rd Gap							
Ch:39.6 to 69.6m		2	30.00	0.15	0.65	5.85	
Ch:69.6 to 72.1m		2	2.50	0.15	0.65	0.49	
Rd Gap							
Ch:72.1 to 102.1m		2	30.00	0.15	0.65	5.85	
Ch:102.1 to 132.1m		2	30.00	0.15	0.65	5.85	

Discription of Item		No	Length	Breadth	Depth	Qty	Unit
Ch:132.1 to 162.1m							
Ch:162.1 to 190.4m		2	30.00	0.15	0.65	5.85	
Rd Gap		2	28.30	0.15	0.65	5.52	
Ch:190.4 to 219m							
Rd Gap		2	28.60	0.15	0.65	5.58	
Ch:219 to 245m							
Rd Gap		2	26.00	0.15	0.65	5.07	
Ch:245.4 to 275m							
Ch:275 to 276m		2	30.00	0.15	0.65	5.85	
Rd Gap		2	1.00	0.15	0.65	0.20	
Ch:276 to 291.9m							
4th Main rd		2	15.90	0.15	0.65	3.10	
LHS							
Ch: 0 to 30m		2	30.00	0.15	0.70	6.30	
Ch:30 to 60m		2	30.00	0.15	0.70	6.30	
Ch:60 to 90m		2	30.00	0.15	0.70	6.30	
Ch:90 to 109.5m		2	19.50	0.15	0.70	4.10	
Ch:109.5 to 119m **Gap**			9.50				
Ch:119 to 149m		2	30.00	0.15	0.65	5.85	
Ch:149 to 157.4m		2	8.40	0.15	0.65	1.64	
RHS							
Ch: 0 to 30m		2	30.00	0.15	0.65	5.85	
Ch:30 to 60m		2	30.00	0.15	0.65	5.85	
Ch:60 to 90m		2	30.00	0.15	0.65	5.85	
Ch:90 to 120m		2	30.00	0.15	0.65	5.85	
Ch:120 to 150m		2	30.00	0.15	0.65	5.85	
Ch:150 to 157.4m		2	7.40	0.15	0.65	1.44	
6th Main rd							
LHS							
Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
Ch:30 to 60m		2	30.00	0.15	0.60	5.40	
Ch:60 to 81m		2	21.00	0.15	0.60	3.78	
Ch:81 to 111m		2	30.00	0.15	0.60	5.40	
Ch:111 to 141m		2	30.00	0.15	0.60	5.40	
Ch:141 to 143.9m		2	2.90	0.15	0.60	0.52	
RHS							
Ch: 0 to 30m		2	30.00	0.15	0.70	6.30	
Ch:30 to 60m		2	30.00	0.15	0.70	6.30	
Ch:60 to 81m		2	21.00	0.15	0.70	4.41	
Ch:81 to 111m		2	30.00	0.15	0.70	6.30	
Ch:111 to 141m		2	30.00	0.15	0.70	6.30	
Ch:141 to 143.9m		2	2.90	0.15	0.70	0.61	
1st cross rd							
LHS							
Ch: 0 to 30m		2	30.00	0.15	0.70	6.30	
Ch:30 to 60m		2	30.00	0.15	0.70	6.30	
Ch:60 to 90m		2	30.00	0.15	0.65	5.85	
Ch: 90 to 94m		2	4.00	0.15	0.65	0.78	
RHS							
Ch: 0 to 30m		2	30.00	0.15	0.65	5.85	
Ch:30 to 60m		2	30.00	0.15	0.65	5.85	

Painting two coats after filling the surface with synthetic enamel

Discription of Item		No	Length	Breadth	Depth	Qty	Unit
Ch:60 to 90m							
Ch: 90 to 94m		2	30.00	0.15	0.70	6.30	
2nd cross rd		2	4.00	0.15	0.70	0.84	
LHS							
Ch: 0 to 30m							
Ch:30 to 60m		2	30.00	0.15	0.65	5.85	
Ch:60 to 65m		2	30.00	0.15	0.65	5.85	
RHS		2	5.00	0.15	0.65	0.98	
Ch: 0 to 30m							
Ch:30 to 60m		2	30.00	0.15	0.65	5.85	
Ch:60 to 90m		2	30.00	0.15	0.65	5.85	
Ch: 90 to 120m		2	30.00	0.15	0.65	5.85	
Ch: 120 to 123m		2	30.00	0.15	0.65	5.85	
		2	3.00	0.15	0.65	0.59	
					Present Qty	**529.91**	**Cum**
					Qty Paid in 1st Bill	**380.14**	**Cum**
					Total Qty	**910.05**	**Cum**
					Deduct Qty Paid in1st Bill	**380.14**	**Cum**
					Qty to be Paid	**529.91**	**Cum**

Contractor

NEW LEN CONSULTANT * BANGALORE * PMC

Assistant Engineer

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ಯಲಹಂಕ ಉಪವಿಭಾಗ
Asst. Executive Engineer,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

12/2/2020

Painting two coats after filling the surface with synthetic enamel paint in approved

Name of Work: Construction of RCC Drain and culverts in balance roads of AMS layout and surrounding areas in ward no-03 of Yelahanka New Town Sub Division

of Pre-Measurement :

Discription of Item		Detailed Measurements					
		No	Length	Breadth	Depth	Qty	Unit
KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.							
2nd Bill							
RCC Drain							
AMS Layout							
2nd Main rd							
LHS							
Total Drain length=287.7m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=2877.00Nos		2877	2.00		0.61	3509.94	
Distribution bar							
Distribution bar 10mm dia @ 130mm							
0.61kg/mtr		15	287.00		0.61	2626.05	
RHS(dead end)							
Total Drain length=291.9m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=2919.00Nos		2919	2.00		0.61	3561.18	
Distribution bar							
Distribution bar 10mm dia @ 150mm							
0.61kg/mtr		13	291.00		0.61	2307.63	
4th Main rd							
LHS							
Total Drain length=147.9m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=1479.0Nos		1479	2.00		0.61	1804.38	
Distribution bar							
Distribution bar 10mm dia @ 130mm							
0.61kg/mtr		15	147.00		0.61	1345.05	
RHS							
Total Drain length=157.4m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=1574Nos		1574	2.00		0.61	1920.28	
Distribution bar							
Distribution bar 10mm dia @ 130mm							
0.61kg/mtr		15	157.00		0.61	1436.55	
6th Main rd							

Discription of Item		No	Length	Breadth	Depth	Qty	Unit
LHS							
Total Drain length=143.9m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=1439.0Nos							
Distribution bar		1439	2.00		0.61	1755.58	
Distribution bar 10mm dia @ 130mm							
0.61kg/mtr		15	143.00		0.61	1308.45	
RHS							
Total Drain length=143.9m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=1439.0Nos		1439	2.00		0.61	1755.58	
Distribution bar							
Distribution bar 10mm dia @ 130mm							
0.61kg/mtr		15	143.00		0.61	1308.45	
1st cross rd							
LHS							
Total Drain length=94.0m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=940Nos		940	1.80		0.61	1032.12	
Distribution bar							
Distribution bar 10mm dia @ 150mm							
0.61kg/mtr		12	94.00		0.61	688.08	
RHS							
Total Drain length=94.0m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=940Nos		940	2.00		0.61	1146.80	
Distribution bar							
Distribution bar 10mm dia @ 150mm							
0.61kg/mtr		13	94.00		0.61	745.42	
2nd cross rd							
LHS							
Total Drain length=65.0m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr		650	2.00		0.61	793.00	
No of U-bar=650Nos							
Distribution bar							
Distribution bar 10mm dia @ 130mm		15	65.00		0.61	594.75	
0.61kg/mtr							
RHS							
Total Drain length=123.0m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr		1230	2.00		0.61	1500.60	
No of U-bar=1230Nos							
Distribution bar							
dia @ 130mm							

KFC

Discription of Item		No	Length	Breadth	Depth	Qty	Unit
0.61kg/mtr							
		15	123.00		0.61	1125.45	
						32265.34	Kgs
					Present Qty	**32.27**	**Ton**
					Qty Paid in 1st Bill	**23.11**	**Ton**
					Total Qty	**55.37**	**Ton**
					Deduct Qty Paid in1st Bill	**23.11**	**Ton**
					Qty to be Paid	**32.27**	**Ton**

Contractor

PMC

Assistant Engineer

12/8/2020

Asst. Executive Engineer

Name of Work: Construction of RCC Drain and culverts in balance roads of AMS layout and surrounding areas in ward no-03 of Yelahanka New Town Sub Division

	Discription of Item		Detailed Measurements No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1 Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.									
	vide Premeasurement sheet no.						1836.67			
						Qty to be Paid	**1836.67**	**Cum**	**226.04**	**415160.66**
	KSRRB M2100-10 Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form									
	vide Premeasurement sheet no.						253.38			
						Qty to be Paid	**253.38**	**Cum**	**5693.00**	**1442475.26**
	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of									
	vide Premeasurement sheet no.						529.91			
						Qty to be Paid	**529.91**	**Cum**	**7423.71**	**3933872.18**
4	KSRRB - M2300-14 Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of									
	vide Premeasurement sheet no.						32.27			
						Qty to be Paid	**32.27**	**Ton**	**77691.85**	**2506753.96**

Contractor

CONSULTANT * NEWTEN * GANGA * PMC

Assistant Engineer

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ಯಲಹಂಕ ನ್ಯೂಟೌನ್ ಉಪವಿಭಾಗ
ಕ.ಗೃ.ಮ.ಅ.ಕ. ಬೆಂಗಳೂರು-106

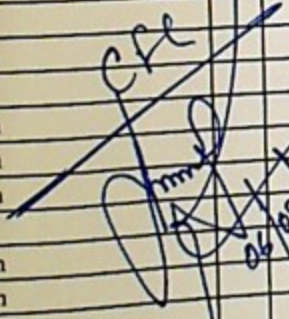
18/8/2020

Name of Work: Construction of RCC Drain and culverts in balance roads of AMS layout and surrounding areas in ward no-03 of Yelahanka New Town Sub Division

of Measurement :

Detailed Measurements

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.									
2nd Bill									
RCC Drain									
AMS Layout									
2nd Main rd									
LHS									
Ch:0 to 16.3m		1	16.30	0.90		14.67			
Rd Gap									
Ch:16.3 to 45.7m		1	24.6	0.90		22.14			
		1	4.8	0.00		0.00			
Rd Gap									
Ch:45.7 to 61.4m		1	15.70	0.90		14.13			
Ch:61.4 to 73.7m		1	12.30	0.00		0.00			
Rd Gap									
Ch:73.7 to 99.6m		1	23.20	0.90		20.88			
		1	2.70	0.00		0.00			
Rd Gap									
Ch:99.6 to 100.8m		1	1.2	0.90		1.08			
Ch:100.8 to 129.6m		1	28.80	0.00		0.00			
Ch:129.6 to 135.4m		1	5.80	0.00		0.00			
Ch:135.4 to 139.6m		1	4.20	0.90		3.78			
Rd Gap									
Ch:139.6 to 145.6m		1	6.00	0.90		5.40			
Ch:145.6 to 165.1m		1	19.50	0.00		0.00			
Ch:165.1 to 166.6m		1	1.50	0.90		1.35			
Rd Gap									
Ch:166.6 to 196.6m		1	30.00	0.90		27.00			
Ch:196.6 to 205.6m		1	9.00	0.90		8.10			
Rd Gap									
Ch:176.6 to 235.6m		1	30.00	0.90		27.00			
Ch:235.6 to 265.6m		1	30.00	0.90		27.00			
Ch:265.6 to 287.7m		1	22.10	0.90		19.89			
RHS(dead end)									
Ch: 0 to 23.6m		1	23.60	0.90		21.24			
Ch:23.6 to 39.6m		1	16.00	0.90		14.40			
Rd Gap									
Ch:39.6 to 69.6m		1	30.00	0.90		27.00			
Ch:69.6 to 72.1m		1	2.50	0.90		2.25			
Rd Gap									
Ch:72.1 to 102.1m		1	30.00	0.90		27.00			
Ch:102.1 to 132.1m		1	30.00	0.90		27.00			
Ch:132.1 to 162.1m		1	30.00	0.90		27.00			
Ch:162.1 to 190.4m		1	28.30	0.90		25.47			
Rd Gap									
Ch:190.4 to 219m		1	28.60	0.00		0.00			
Rd Gap									
Ch:219 to 245m		1	26.00	0.90		23.40			
Rd Gap									



Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Ch:245.4 to 275m		1	30.00	0.90		27.00			
Ch:275 to 276m		1	1.00	0.90		0.90			
Rd Gap									
Ch:276 to 291.9m		1	15.90	0.00		0.00			
					Present Qty	415.08	Sqm		
					Qty Paid in 1st Bill	888.38	Sqm		
					Total Qty	1303.46	Sqm		
					Deduct Qty Paid in1st Bill	888.38	Sqm		
					Qty to be Paid	415.08	Sqm	2453.85	1018544.06
						Total			9316806.12
						12% GST			1118016.73
						Grand Total			10434822.85

C&FC

Contractor

NEW KEN CONSULTANT * BANGALORE * PMC

Assistant Engineer

19/8/2020

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
Asst. Executive Engineer,
ಬಿ.ಡಿ.ಎ.ಪ್ರಾ. ಬೆಂಗಳೂರು-19